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PPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/060,121	10/060,121 01/31/2002		Robert P. Benjey	01-ASD-224 (GT)	5887
200	7590	05/12/2003			
EATON C		TION	EXAMINER		
EATON CE	RIOR AVE		RIVELL, JOHN A		
CLEVELAND, OH 44114				ART UNIT	PAPER NUMBER
				3753	4
				DATE MAILED: 05/12/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary The MAILING DATE of this communication appears on the cover sheet with the correspondence address			Application No.	Applicant(s)					
Examiner					5				
John Rivell The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Ederacions of time may be available under the provision of 37 CPR 1.73(6). In no event, however, may a reply be timely filed Ederacions of time may be available under the provision of 37 CPR 1.73(6). In no event, however, may a reply be timely filed Ederacions of the reply reposition above, the maximum of thin (20) size, a reply within the statutory minimum of thin (20) days will be considered timely. If his period for reply reposition above, the maximum statutory period timely past and timely SIK (9 MONTHS from the making date of this communication. Any reply recented by the Office in the State menting date of this communication, even if timely filed, may reduce any Responsive to communication(s) filed on 1/31/102 (appl) & 3/12/02 (draws). This action is FINAL. 2b) This action is FINAL. 2b) This action is final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 7) Claim(s) 6.10 and 12 is/are objected to. 8) Claim(s) is/are allowed. 10) The drawing(s) filed on 12 March 2002 is/are: a \(\text{a} \) accepted or b \(\text{c} \) objected to by the Examiner. 10) The proposed drawing correction filed on is: a)\(\text{a} \) approved b)\(\text{d} \) disapproved by the Examiner. 17) The proposed drawing correction filed on is: a)\(\text{d} \) accepted or by the Examiner. 18) The proposed drawing correction filed on is: a)\(\text	i	Office Action Summary							
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Estations of time may be available under the provisions of 37 CPR 1.136(a). In no event, however, may a mply be timely filled after SIX (8) MONTHS from the mailing date of this communication. If the period time may be available under the provision of 37 CPR 1.136(a). In no event, however, may a mply be timely filled after SIX (8) MONTHS from the mailing date of this communication. If the period creek is period the date is the time the mailing date of this communication. Failure to reply wellth in the sat or extended point for reply will, by statistic, cause the application to become ABANCONED (35 U.S. 0, \$ 133). Any reply received by the Office and the than three mainish after the mailing date of the communication, even if timely filled, may reduce any control plant team adjustment. See 37 CPR 1.794(b). Status 1) □ Responsive to communication(s) filled on 1/31/02 (eppt), 8.3/12/02 (draws). 2a) □ This action is FINAL. 2b) □ This action is FINAL. 2claim(s) 1-12 is/are pending in the application. 4) □ Claim(s) 1-12 is/are pending in the application. 4) □ Claim(s) 1-12 is/are allowed. 6) □ Claim(s) 1-12 is/are allowed. 6) □ Claim(s) 1-12 is/are allowed. 6) □ Claim(s) 1-3 and 11 is/are rejected. 7) □ Claim(s) 6.10 and 12 is/are objected to. 8) □ Claim(s) 6.10 and 12 is/are objected to. 8) □ Claim(s) 6.10 and 12 is/are objected to. 9) □ The proposed drawing correction filled on 1 is a) □ approved by the Examiner. Application Papers 9) □ The proposed drawing correction filled on 1 is a) □ approved by □ disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action. 10 □ The tording dopies of the priority documents									
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	14) 🗌 A	cknowledgment is made of a claim for domest	ic priority under 35 U.S.C. § 119	(e) (to a provisional application).					
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Attachment(s)	Attachment	t(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152) 6) Other: .	2) Notic	e of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal						

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Claims 1-12 are pending.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 4, 5, 7 and 9 are rejected under 35 U.S.C. §102 (b) as being anticipated by Hashimoto et al. In Hashimoto et al. there is disclosed a "system for controlling flow of liquid fuel and vapor during refueling of a motor vehicle fuel tank (2) with a filler tube (3) for receiving a fuel dispensing nozzle (N) comprising: (a) a vent valve (5 or 6) disposed in the tank (2) and having an inlet (at 5, 6a) communicating with the vapor dome in the tank (2) and an outlet (7 or 8) communicating with a remote vapor storage device (9); (b) a seal (shown in figures 3 and 4 extending radially inwardly from the periphery of the inner diameter of the cylindrical body 19 forming an eccentric port for reception of the fuel dispensing nozzle "N" and sealing there around) disposed in the filler tube (3) and operable for sealing about the nozzle (N) upon insertion therein (see fig. 4); (c) a recirculation conduit (18) connected to admit fuel vapor to the filler neck (3) at a location downstream of the seal: and, (d) a neck portion (the lower left side of tube 3 as shown in fig. 4) in the filler tube (3) downstream of the location of said recirculation conduit (18) connection location, wherein said neck has an inner periphery thereof sized to receive the nozzle (N) in closely fitting arrangement and to form an effective dynamic seal about the liquid discharging from the nozzle" (N) as claimed in claim 1. The



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"dynamic seal" formed therein is considered to be "effective" in that a negative pressure condition is created within the chamber area 21 (column 7, lines 13-22).

Regarding claim 4, in Hashimoto et al., the "recirculation conduit (18) has one end connected through the wall of the tank (2) and an end opposite said one end connected to the filler tube (3) at said location" as claimed.

Regarding claim 5, in Hashimoto et al., both "said vent valve(s) (5 and 6 are) float operated" as claimed.

Regarding claims 7 and 9 the method steps recited therein are clearly those practiced when making and/or using the device of Hashimoto et al.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2, 3, 8 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto et al. in view of Yamazaki et al. The patent to Hashimoto et al. discloses all the claimed features with the exception of having a check valve in the recirculation line and having the "end" opposite the filler tube end of the recirculation line connected to a line connecting the vent valve and the storage device. The patent to Yamazaki et al. discloses, in figure 9 for example, that it is known in the art to employ a vapor recirculation line 27₃ connected between a line 23a connecting the float vapor vent valve 25 to a vapor storage device "C" and the filler tube 22a', which recirculation line 27₃ includes a check valve 62 therein for the purpose of recirculating vapor conducted to the storage device from the vent valve back to the filler tube, and to control the direction of vapor flow within the recirculation tube. It would have been

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obvious at the time the invention was made to a person having ordinary skill in the art to employ in Hashimoto et al. a vapor recirculation line connected between line 7 or 8 connecting the float vapor vent valve 5 or 6 to vapor storage device 9 and the filler tube 3, which recirculation line includes a check valve therein for the purpose of recirculating vapor conducted to the storage device from the vent valve back to the filler tube, and to control the direction of vapor flow within the recirculation tube as recognized by Yamazaki et al.

Claims 6, 10 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Rivell whose telephone number is (703) 308-2599. The examiner can normally be reached on Monday –Thursday between 6:30am and 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mikado Buiz can be reached on (703) 308-0871. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9302 for regular communications and (703) 872-9303 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0861.

j.r. May 7, 2003 'John Rivell
Primary Examiner
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